



Class Activity 2: ASP MVC REPORTING

Important Notes:

- This is an individual practical exercise.
- Practical assignments are based on objectives. If an objective has been achieved a mark will be allocated.
- Due to technical issues in the lab, we have been forced to turn this exercise into a take-home assignment. We will be marking this exercise in next week's practical session (Thursday, 21 Feb). We will mark both this week's activity on MVC Reporting and next week's activity on API's in the same class. As such, you must make sure that your solution for this week's activity runs as expected on the Brown Lab's Computers before next week's lecture starts.

Instructions:

- Create a Git Repository for this class activity and make sure you push all the work you complete during this activity to your created repository.
- Download the Hardware database from clickUP: HardwareDB.sql.
- Use the above file to import the Hardware database into your local Sql Server via Sql Server Management Studio.
- Examine the Hardware database and come up with one useful report that can be generated based on the data stored in the database. The report must at least have the following level of complexity:
 - Parameterised – your report must be based on initial criteria entered by a user.
 - Hybrid - your report must contain both tabular and graphic data visualisation styles. (i.e. at least one table and at least one chart)
 - Control breaks – your report must contain control breaks.
- Answer the following questions regarding the report you thought up:

Provide a title (or name) for your report
Who will be the primary user of your report
Briefly describe your report (i.e. what data it contains and how the data is visualised)
Why will this report be useful?

- Create a new ASP MVC Web Application in Visual Studio
- Develop the necessary View, Controller and Model code so that the report you described above can be generated via your web application.



Class Activity 2: ASP MVC REPORTING (_____ / 25 marks)

Student NR	Surname	Initials

Checklist	Mark	MAX
1. Has successfully created a repository		1
2. Usefulness of described report		4
3. Report is successfully generated		7
4. Report changes based on specified criteria (parameterised)		3
5. Report contains control breaks with running aggregations (e.g. subtotal or average)		5
6. Report contains a chart		5
TOTAL		25

Presentation	Factor	Final Mark (25)
Student demonstrated an adequate understanding of the topics covered in this assignment as well as their application.	1.0	
Student showed a clear lack of understanding of the topics covered in this assignment and was not able to explain how these were applied.	0.5	